

**EVALUATION PROTOCOL FOR GULF WAR VETERANS WITH POTENTIAL
EXPOSURE TO DEPLETED URANIUM (DU)**

- 1. PURPOSE:** This Veterans Health Administration (VHA) Directive outlines the procedures for evaluating Gulf War veterans with possible exposure to depleted uranium (DU).
- 2. SUMMARY OF CHANGES:** This issuance, designed to evaluate Gulf War veterans with possible exposure to DU, rescinds VHA Directive 98-032.
- 3. RELATED ISSUES:** VHA Directive 1303, and VHA Handbook 1303.2 (to be published).
- 4. RESPONSIBLE OFFICE:** The Chief Public Health and Environmental Hazards Officer (13) is responsible for the contents of this directive. Questions about DU should be addressed to the Baltimore DU Follow-up Program at 1-800-815-7533; general questions about the protocol should be addressed to the Environmental Agents Service at (202) 273-8580.
- 5. RESCISSIONS:** VHA Directive 98-032, is rescinded.
- 6. RECERTIFICATION:** This VHA Handbook is scheduled for recertification on or before the last working day of April 2008.

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Under Secretary for Health

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EVALUATION PROTOCOL FOR GULF WAR VETERANS WITH POTENTIAL EXPOSURE TO DEPLETED URANIUM (DU)

1. PURPOSE

This Veterans Health Administration (VHA) Directive outlines the policy and procedures for evaluating Gulf War veterans with possible exposure to depleted uranium (DU).

2. BACKGROUND

a. DU is natural uranium left over after most of the U-235 isotope has been removed, such as that used as fuel in nuclear power plants. It is about half as radioactive as natural uranium and is a radiation hazard primarily if internalized, such as in shrapnel, contaminated wounds, and inhalation. In addition to its radioactivity, DU has some chemical toxicity related to being a heavy metal (similar to lead).

b. During the Gulf War (beginning in 1990), DU was used by the United States military in projectiles and armor for tanks. Service personnel who may have had potential inhalation exposures to DU include those on, in, or near vehicles hit with "friendly fire," rescuers entering burning vehicles, individuals near fires involving DU munitions, individuals salvaging damaged vehicles, and those near burning vehicles.

c. The medical effects of DU exposure are continuing to be evaluated. A group of Gulf War veterans with retained DU fragments or DU-contaminated wounds is being followed at a special DU Program at the Department of Veterans Affairs (VA) Medical Center, Baltimore, MD. While no clinically significant adverse effects of DU have been evident to date in this group, some abnormalities have been detected on specialized testing.

d. The Baltimore DU Follow-up Program has determined that for Gulf War friendly-fire victims, a 24-hour urine determination for uranium is a more sensitive screening test for DU than whole-body counting.

e. The Austin Automation Center (AAC) functions as the "contractor" to VHA in providing national level computer support for this DU program.

NOTE: For additional background information on DU, see the references in paragraph 6.

3. SCOPE

Each VHA facility will use the DU protocol examination to evaluate Gulf War veterans identified and referred by the Department of Defense (DOD) or those veterans who self-refer because they are concerned about potential inhalation exposure to DU according to the protocol outlined in paragraph 4.

4. RESPONSIBILITY

The VHA facility Director is responsible for ensuring that the facility VA Gulf War Registry programs provide DU protocol examinations to any eligible Gulf War veteran identified by DOD

or any other Gulf War veteran concerned about possible exposure to DU.

c. The Baltimore DU program staff is responsible for:

- (1) Arranging for testing of urine samples for uranium.
- (2) Sending by letter the results of the 24-hour urine for uranium directly to the veteran with a copy to the VA referring clinician.
- (3) Forwarding the urine uranium results to AAC for entry into the Registry database.
- (4) Providing consultative advice to VA clinicians regarding DU testing.

5. PROTOCOL

The DU protocol consists of a Gulf War Registry examination, DU exposure questionnaire, and a 24-hour urine collection for creatinine and uranium.

a. The exposure history contained on VA Form 10-9009D, Depleted Uranium (DU) Questionnaire (see Att. A), must be administered to each veteran who is concerned about possible DU exposure.

b. Any positive responses to the DU questionnaire are to be followed up with more detailed history-taking by the examining health care provider. The full exposure history must be recorded in the veteran's consolidated health record (CHR) and/or the computerized patient record system (CPRS). All free text on the DU questionnaires must be included in the CHR or CPRS, but not in the Registry dataset at AAC. Completed DU questionnaires are to be submitted to AAC on completion of protocol examination.

c. If the veteran was not identified by DOD as possibly DU-exposed, but information provided during the examination of the veteran suggests that the veteran may have had a significant exposure to DU, or if the veteran has a high level of concern that such an exposure occurred despite counseling by the health care provider, a DU protocol examination needs to be completed.

d. The health care provider must contact the DU Follow-up Program at the Baltimore VA Medical Center (1-800-815-7533) to discuss obtaining a 24-hour urine collection for uranium. **NOTE:** *The 24-hour urine collection for uranium must be performed in accordance with instructions in Attachment B.*

e. Upon completion of the protocol examination, the Gulf War Registry code sheet and the DU exposure questionnaire will be forwarded by the Environmental Health Coordinator (EHC) to AAC for entry of the examination results into the Gulf War Registry database. **NOTE:** *If the veteran has already had a Gulf War Registry exam, only the DU code sheet will be forwarded to AAC.*

f. Results of the 24-hour urine for uranium are communicated directly to the veteran by letter from the Baltimore DU Follow-up Program with a copy to the VA referring physician for the

veteran's CHR and/or CPRS. The Baltimore DU program staff forwards the urine uranium results to AAC for entry into the Registry database.

g. Follow-up actions for any veteran with an elevated 24-hour urine uranium determination will be individualized based on discussion between the veteran's primary VA clinician and the staff at the Baltimore DU Follow-up Program.

h. Additional diagnostic evaluation of signs or symptoms identified during the examination are to be completed as clinically indicated. **NOTE:** *Eligible veterans who wish to have VA follow-up care need to be assigned to a primary care team.*

6. REFERENCES

a. Voelz, George L., Chapter 13 - "Uranium," in Hazardous Material Toxicology, Eds. Sullivan, John B. and Krieger, Gary R. Williams and Wilkins, Baltimore, MD, 1992.

b. Health Effects of Depleted Uranium - Fact Sheet, Department of Defense, June 11, 1993. **NOTE:** *Copies can be obtained by calling (703) 697-3189.*

c. "Agency for Toxic Substances and Disease Registry," U.S. Public Health Service, 1990.

d. Toxicologic Profile for Uranium. PB91-180 471, U.S. Department of Commerce, National Technical Information Service. **NOTE:** *Customer Service is (703) 487-4660.*

e. McDiarmid, et al. "Health Effects of Depleted Uranium on Exposed Gulf War Veterans" Environmental Research, Section A, Vol. 82, 2000, pages 168-180.

f. McDiarmid, et al. "Urinary Uranium Concentrations in an Enlarged Gulf War Veterans Cohort," Health Physics, Vol. 80, number 3, 2001, pages 270-273.

g. McDiarmid, et al. "Surveillance of Depleted Uranium Exposed Gulf War Veterans: Health Effects Observed in an Enlarged "Friendly Fire" Cohort, JOEM, Vol. 4, Number 12, December 2001, pages 991-1000.

h. VHA website: www.va.gov/gulfwar



DEPLETED URANIUM (DU) QUESTIONNAIRE

(SUPPLEMENT TO GULF WAR CODESHEET, VA FORM 10-9009a(RS))

II

#1

Facility Number (Use PTF No. only) (2 - 4)

Suffix (5 - 7)

The information the veteran supplies may be disclosed outside the VA to Federal, State and local government agencies and National Health Organizations to assist in the development of programs for research purposes and other uses as stated in the "Notice of Systems of VA Records" published in the Federal Register in accordance with the Privacy Act of 1974.

INSTRUCTIONS: Environmental Health Coordinator or Clinician: Please print. Use only one letter or number per block. If possible use black ballpoint or felt-tip pen. Shaded areas are for VA use only. All free text on this code sheet will be retained in medical health record but not included in the registry dataset at AAC.

PART IV (DEPLETED URANIUM [DU])

2. LAST NAME (8-33)

[illegible]

3. FIRST NAME (34-48)

4. SOCIAL SECURITY NUMBER (49-58)

[illegible]

5. PHONE NUMBERS WHERE YOU MAY BE CONTACTED:

5A. DAYTIME PHONE (59-68)

5B. EVENING PHONE (69-78)

()		+			()		+		
---	--	---	--	---	--	--	---	--	---	--	---	--	--

6. TODAY'S DATE (79-86)

7. DATE OF ARRIVAL IN PERSIAN GULF WAR THEATRE OF OPERATION (87-94)

8. DATE OF DEPARTURE FROM
PERSIAN GULF WAR THEATRE OF
OPERATION (95-102)

e.g. 05191998 (May 19, 1998)

e.g. 06191991 (June 19, 1991)

e.g. 11121991 (November 12, 1991)

[illegible]

TO BE COMPLETED BY ENVIRONMENTAL HEALTH COORDINATOR OR CLINICIAN

Instructions: Please respond to all questions by entering one of the listed codes in Column (b).

(a)
BLOCK

(b)
CODE

9. WHO REFERRED YOU TO THE VA MEDICAL CENTER FOR EVALUATION?

Code "a" = Office of the Special Assistant for Gulf War Illness (OSAGWI) of Department of Defense?

Code "b" = Another Department of Defense Office

Code "c" = Department of Veterans Affairs (VA)

Code "d" = Self Referred

Code "e" = Other sources (identify below)

103

	()		

10. WHERE DID YOU SERVE? Enter Code "Y"= Yes or "N"= No in Blocks 104a through 104e.

10a. Code "a" = Kuwait	104a	
10b. Code "b" = Saudi Arabia	104b	
10c. Code "c" = Iraq	104c	
10d. Code "d" = Only on a ship (not ashore)	104d	
10e. Code "e" = Other (identify below)	104e	

VA FORM **10-9009D**
MAR 2003(RS)

DEPLETED URANIUM QUESTIONNAIRE, Continued	SSN									
Instructions: Choose one of the following codes for Questions 11 through 39, unless other codes are listed or a narrative response is required: Code "Y" = Yes Code "N" = No Code "D" = Don't Know										
								(a) BLOCK	(b) CODE	
11. WERE YOU A LOGISTICS ASSISTANCE REPRESENTATIVE (LAR) WHO INSPECTED DEPLETED URANIUM CONTAMINATED SYSTEMS TO DETERMINE REPAIRABILITY?								105		
12. WERE YOU A MEMBER OF A BATTLE DAMAGE ASSESSMENT TEAM (BDAT) WHO EXAMINED U.S. COMBAT VEHICLES KNOWN, OR SUSPECTED TO BE, DAMAGED OR DESTROYED BY DU?								106		
13. WERE YOU A MEMBER OF THE 144 SERVICE AND SUPPLY COMPANY WHO PROCESSED DAMAGED EQUIPMENT, INCLUDING SOME WITH DU CONTAMINATION?								107		
14. WERE YOU A MEMBER OF A RADIATION CONTROL (RADCON) TEAM DEPLOYED IN THE PERSIAN GULF?								108		
15. WERE YOU INVOLVED IN THE EXAMINATION OR RECOVERY OF DAMAGED OR DESTROYED ENEMY VEHICLES?								109		
16. WERE YOU INVOLVED IN THE DOWNLOADING OF EQUIPMENT OR MUNITIONS FROM VEHICLES KNOWN OR SUSPECTED TO BE CONTAMINATED BY DU?								110		
17. WERE YOU A MEMBER OF A UNIT MAINTENANCE TEAM PERFORMING MAINTENANCE ON OR IN SYSTEMS KNOWN OR SUSPECTED TO BE CONTAMINATED BY DU?								111		
18. WERE YOU AT DOHA ON JULY 11, 1991, AT THE TIME OF THE FIRE?								112		
18a. WERE YOU DIRECTLY INVOLVED IN CLEAN-UP OPERATIONS FOLLOWING THE DOHA EXPLOSION AND FIRE?								112a		
18b. WERE YOU EXPOSED TO SMOKE FROM BURNING DOHA ROUNDS?								112b		
19. WERE YOU IN OR ON A VEHICLE HIT BY ENEMY FIRE AT THE TIME IT WAS HIT? IF "NO," SKIP TO QUESTION 20.								113a		
19a. IF "YES," WHAT TYPE OF A VEHICLE?										
19a(1) Code "a" = ABRAMS battle tank								113b		
19a(2) Code "b" = BRADLEY fighting vehicle								113c		
19a(3) Code "c" = Other (identify) :								113d		
19a(4) Code "d" = Don't know								113e		
19b. IF "YES," WAS THE VEHICLE HIT BY DU MUNITIONS?								113f		
20. DID YOU ENTER AN ABRAMS BATTLE TANK TO PERFORM RESCUE OPERATIONS IMMEDIATELY AFTER IT WAS STRUCK BY ENEMY FIRE?								114		
21. DID YOU ENTER AN ABRAMS BATTLE TANK TO RETRIEVE SENSITIVE ITEMS IMMEDIATELY AFTER IT WAS STRUCK BY ENEMY FIRE?								115		
22. DID YOU ENTER A BRADLEY FIGHTING VEHICLE TO PERFORM RESCUE OPERATIONS IMMEDIATELY AFTER IT WAS STRUCK BY ENEMY FIRE?								116		
23. DID YOU ENTER A BRADLEY FIGHTING VEHICLE TO RETRIEVE SENSITIVE ITEMS IMMEDIATELY AFTER IT WAS STRUCK BY ENEMY FIRE?								117		

DEPLETED URANIUM QUESTIONNAIRE, Continued				SSN									
											(a) BLOCK	(b) CODE	
24. WERE YOU IN OR ON ANY VEHICLE HIT BY FRIENDLY FIRE AT THE TIME IT WAS HIT? IF "NO," SKIP TO QUESTION 25. Code "Y" = Yes Code "N" = No Code "D" = Don't Know											118		
24a. IF "YES," WHAT TYPE OF VEHICLE?													
24a(1) Code "a" = ABRAMS battle tank											118a		
24a(2) Code "b" = BRADLEY fighting vehicle											118b		
24a(3) Code "c" = other (identify below)											118c		
24a(4) Code "d" = Don't Know											118d		
24b. WAS THE VEHICLE HIT BY DU MUNITIONS?											118e		
25. DID YOU ENTER AN ABRAMS BATTLE TANK TO PERFORM RESCUE OPERATIONS IMMEDIATELY AFTER IT WAS STRUCK BY FRIENDLY FIRE?											119		
26. DID YOU ENTER AN ABRAMS BATTLE TANK TO RETRIEVE SENSITIVE ITEMS IMMEDIATELY AFTER IT WAS STRUCK BY FRIENDLY FIRE?											120		
27. DID YOU ENTER A BRADLEY FIGHTING VEHICLE TO PERFORM RESCUE OPERATIONS IMMEDIATELY AFTER IT WAS STRUCK BY FRIENDLY FIRE?											121		
28. DID YOU ENTER A BRADLEY FIGHTING VEHICLE TO RETRIEVE SENSITIVE ITEMS IMMEDIATELY AFTER IT WAS STRUCK BY FRIENDLY FIRE?											122		
29. DID YOU ENTER ANY ENEMY VEHICLE TO PERFORM RESCUE OPERATIONS IMMEDIATELY AFTER IT WAS STRUCK BY OUR FIRE? IF "NO," SKIP TO QUESTION 30.											123		
29a(1) Code "a" = Tank											123a		
29a(2) Code "b" = Other tracked vehicle (identify below)											123b		
29a(3) Code "c" = Truck											123c		
29a(4) Code "d" = Other wheeled vehicle (identify below)											123d		
29a(5) Code "e" = Other type vehicle (identify below)											123e		
29a(6) Code "f" = Don't know											123f		
30. DID YOU ENTER ANY ENEMY VEHICLE TO RETRIEVE SENSITIVE ITEMS OR INTELLIGENCE MATERIAL IMMEDIATELY AFTER IT WAS STRUCK BY OUR FIRE? IF "NO," SKIP TO QUESTION 31.											124		
30a. IF "YES," WHAT TYPE OF VEHICLE?													
30a(1) Code "a" = Tank											124a		

DEPLETED URANIUM QUESTIONNAIRE, Continued				SSN:										
											(a) BLOCK	(b) CODE		
30a(2) Code "b" = Other tracked vehicle (identify below)											124b			
30a(3) Code "c" = Truck											124c			
30a(4) Code "d" = Other wheeled vehicle (identify below)											124d			
30a(5) Code "e" = Other type vehicle (identify below)											124e			
30a(6) Code "f" = Don't know											124f			
31. WERE YOU EXPOSED TO SMOKE FROM ANY ENEMY EQUIPMENT STRUCK BY DU ROUNDS?											125			
32. DID YOU REMOVE EQUIPMENT OR OTHER ITEMS FROM A DAMAGED OR DESTROYED U.S. OR ENEMY VEHICLE? IF "NO," SKIP TO QUESTION 33.											126			
32a If you removed something from a vehicle, please describe it below:											126a			
32b Do you still have equipment or other items removed from a damaged or destroyed U.S. or enemy vehicle?											126b			
33. WERE YOU WITHIN 50 METERS (45.72 YARDS) OF A VEHICLE WHEN IT WAS HIT (NOT INCLUDING VEHICLES YOU WERE IN OR ON THAT WERE HIT)? IF "NO," SKIP TO QUESTION 34.											127			
33a. IF YES, WHAT TYPE OF VEHICLE?														
33a(1) Code a = ABRAMS battle tank											127a			
33a(2) Code b = BRADLEY fighting vehicle											127b			
33a(3) Code c = other (identify below)											127c			
33a(4) Code d = Don't Know											127d			
33b. WAS THE VEHICLE HIT BY DU MUNITIONS?											127e			
34. DID YOU BREATHE SMOKE OR DUST FROM VEHICLES HIT BY ENEMY OR FRIENDLY FIRE? IF "NO," SKIP TO QUESTION 35.											128			
34a. IF "YES," WHAT TYPE OF VEHICLE?														
34a(1) Code "a" = ABRAMS battle tank											128a			
34a(2) Code "b" = BRADLEY fighting vehicle											128b			
34a(3) Code "c" = other (identify below)											128c			
34a(4) Code "d" = Don't Know											128d			
34b. WAS THE VEHICLE HIT BY DU MUNITIONS?											128e			

DEPLETED URANIUM QUESTIONNAIRE, Continued				SSN										
											(a) BLOCK	(b) CODE		
35. DID YOU CLIMB ON OR ENTER VEHICLES HIT BY ENEMY OR FRIENDLY FIRE SOMETIME AFTER THE IMMEDIATE POST-IMPACT RESCUE PERIOD? IF "NO," SKIP TO QUESTION 36. "Y" = Yes "N" = No "D" = Don't Know											129			
35a. IF "YES," WHAT TYPE OF VEHICLE?														
35a(1) Code "a" = ABRAMS battle tank											129a			
35a(2) Code "b" = BRADLEY fighting vehicle											129b			
35a(3) Code "c" = Other (identify below)											129c			
35a(4) Code "d" = Don't Know											129d			
35b. HOW MANY TIMES?														
35b(1) Code "a" = 1 Time											129e			
35b(2) Code "b" = 2 Times											129f			
35b(3) Code "c" = 3- 10 times											129g			
35b(4) Code "d" = More than 10 times											129h			
35b(5) Code "e" = Don't know											129i			
35c. HOW LONG (IN TOTAL) WERE YOU ON BOARD THE VEHICLE(S)?														
35c(1) Code "a" = Less than 5 minutes											129j			
35c(2) Code "b" = 5-15 minutes											129k			
35c(3) Code "c" = 16-30 minutes											129l			
35c(4) Code "d" = More than 30 minutes											129m			
35c(5) Code "e" = Don't know											129n			
35d. WAS THE VEHICLE KNOWN TO BE CONTAMINATED WITH DU?											129o			
36. DID YOU PASS WITHIN 50 METERS (45.72 YARDS) OF A DAMAGED OR DESTROYED VEHICLE? IF "NO," SKIP TO QUESTION 37. "Y" = Yes "N" = No "D" = Don't Know											130			
36a. HOW LONG (IN TOTAL) AFTER THE DESTRUCTIVE EVENT?														
36a(1) Code "a" = Less than 12 hours											130a			
36a(2) Code "b" = 12 hours - 24 hours											130b			

DEPLETED URANIUM QUESTIONNAIRE, Continued				SSN									
36a(3). Code "c" = more than 24 hours										130c			
36a(4). Code "d" = Don't know										130d			
36b. IF "YES," WHAT TYPE OF VEHICLE?													
36b(1) Code "a" = ABRAMS battle tank										130e			
36b(2) Code "b" = BRADLEY fighting vehicle										130f			
36b(3) Code "c" = Other (identify below)										130g			
36b(4) Code "d" = Don't Know										130h			
36c. WAS THE VEHICLE BURNING? "Y" = Yes "N" = No "D" = Don't Know										130i			
37. WERE YOU WOUNDED AS A RESULT OR BEING IN, ON, OR WITHIN 50 METERS (45.72 YARDS) OF THE DAMAGED VEHICLE AT THE TIME IT WAS HIT? IF "NO," SKIP TO QUESTION 38.										131			
37a. WHERE YOU WOUNDED?													
37a(1) Code "a" = leg/foot										131a			
37b(2) Code "b" = arm/hand										131b			
37c(3) Code "c" = face/head										131c			
37d(4) Code "d" = neck										131d			
37e(5) Code "e" = body										131e			
37b. DO YOU HAVE RETAINED FRAGMENTS OR SHRAPNEL IN YOUR BODY?										131f			
38. DID YOU FIRE DU ROUNDS?										132			
39. DID YOU HANDLE BARE/DAMAGED DU PENETRATOR ROUNDS? IF "NO," SKIP TO QUESTION 40.										133			
39a. DID YOU HANDLE THE ROUNDS WITH GLOVES?										133a			
39b. DID YOU HANDLE THE ROUNDS WITH SHIELDING?										133b			
OTHER EXPOSURES													
40. DID YOU HAVE EXPOSURE TO DU THAT IS <u>NOT</u> CAPTURED BY THIS QUESTIONNAIRE?										134			
41. IF "YES," DESCRIBE BELOW:													

DEPLETED URANIUM QUESTIONNAIRE, Continued				SSN														
41. DO YOU HAVE OTHER EXPOSURES AND EXPERIENCES TO DISCUSS WITH THE PROVIDER? Code "Y" = Yes Code "N" = No IF "YES," DESCRIBE BELOW:												135						
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>																		
42. IS THE 24-HOUR URINE COLLECTION FOR URANIUM BEING PERFORMED? Code "Y" =Yes, Code "N" = No or Code "U" =Unknown. IF "NO" OR "UNKNOWN" PROVIDE EXPLANATION BELOW.												136						
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>																		
43.												137						
44. OTHER COMMENTS:																		
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>																		
45. NAME AND TITLE OF EXAMINER/CLINICIAN:																		
46. SIGNATURE OF EXAMINER:																		
<p><i>Instructions:</i> Once the DU questionnaire has been completed, VAMC EHC will transmit a copy to AAC, with registry code sheet. If the veteran has already had a GW Registry examination, only the DU questionnaire will be sent to AAC. A copy of the questionnaire will also be sent to the DU Follow-up Program at the Baltimore VAMC with the package requesting the urine uranium test. The Baltimore DU Follow-up program staff will transmit the results of the urine uranium test directly to the AAC for database entry and to the VAMC of origin for entry into the veteran's medical record.</p>																		
TO BE COMPLETED BY THE BALTIMORE VAMC FU FOLLOW-UP PROGRAM STAFF																		
47. CORRECTED URINE URANIUM (EXPRESSED PER MCG PER G CREATININE) 3 DIGITS TO THE LEFT AND 3 DIGITS TO THE RIGHT OF THE DECIMAL.										138-143								
REPEAT URINE URANIUM										144- 149								
48. REMARKS:																		
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>																		

ATTACHMENT B

DEPLETED URANIUM PROGRAM CHECKLIST
24-HOUR URINE URANIUM COLLECTION
BALTIMORE VA MEDICAL CENTER

CONSULT URINE INSTRUCTIONS (REVISED 07/98)

PATIENT NAME: _____ Social Security
Number: _____

ADDRESS: _____ Specimen Date: _____

TELEPHONE: _____ Date of Birth: _____

Referring VA Medical Center: _____ Mail Code: _____
Address: _____

Referring Physician: _____

Beeper Number: _____ Telephone Number : _____

FAX Number (to receive report): _____

- ☐ Call DU Program at 1-800-815-7533 to obtain the specimen collection kit, including the 24-hour specimen collection containers and shipping materials from DU Program. Only 32 oz Fischer wide-mouth jugs will be accepted. Specimens received in any other container will be returned. Leaking containers will be returned.
- ☐ FAX a copy of this checklist with the top portion completed, and a completed copy of VA Form 10-9009D, Depleted Uranium (DU) Questionnaire, to 410-605-7943 PRIOR TO SENDING THE SPECIMEN.
- ☐ Schedule patient for 24-hour urine collection.

Date: _____

a. Time of first void (discarded) urine DAY 1: _____

b. Time of first void urine DAY 2: _____

DU PROGRAM CHECKLIST - CONSULT URINE INSTRUCTIONS (CONTINUED)

- ☐ Instruct patient to urinate directly into the collection container(s). Urine sticks to the sides of the container. Therefore, do not transfer urine due to potential loss of analyte. Issue 3 containers to patient to insure full 24-hour collection in approved containers.
- ☐ Instruct patient to collect urine beginning after first morning void of Day 1 and end collection after first morning void on Day 2 (the next day).
- ☐ Seal containers as tightly as possible. Double bag each urine container with absorbent material. Make sure each plastic bag is sealed tightly. Stabilize container inside the box with more absorbent packing material to prevent movement. The sample should be mailed in the package provided. *TIP: YOU CAN CONTACT YOUR LABORATORY SERVICES SUPERVISOR TO ASSIST IN PACKAGING.*
- ☐ A copy of this form sealed in a separate ziplock plastic bag should be enclosed with the sample for identification purposes and also faxed with the completed copy of VA Form 10-9009D to the DU office at 410-605-7943.
- ☐ SEND SPECIMEN VIA FEDEX. Call the DU Program Office at 1-800-815-7533 as soon as specimen has been shipped.

FEDEX Tracking Number: _____

- ☐ SEND TO:

**PATHOLOGY AND LABORATORY MEDICINE SERVICE (113)
BALTIMORE VA MEDICAL CENTER
10 N. GREENE STREET
BALTIMORE, MARYLAND 21201
ATTN: DR. LAWRENCE BROWN (FOR DU PROGRAM)**

- ☐ Before sending this sample, call the DU program office at 1-800-815-7533 so that we can anticipate delivery. It is important that you fax a copy of this checklist, and a completed copy of VA Form 10-9009D, to 410-605-7943.
- ☐ **You can expect notification of the results in approximately 45 days.**